

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Amy Salmela (Reg. No. 55,910) on 4/7/2011.

Examiner Amendments

The application has been amended as follows:

28. (Currently Amended) A telecommunications mediation system ~~connected to at least one telecommunications network~~ comprising:

at least one telecommunications network;

~~at least one~~ a plurality of telecommunications terminals connected to the telecommunications network;

at least one telecommunications service server ~~capable of~~ providing at least one telecommunications service and communicating to the system a registration request, the registration request including:

the at least one telecommunications service the

telecommunications service server is capable of providing, and

a list of events for which the at least one telecommunications service is to be notified;
at least one user profile, the user profile being user-defined via ~~the~~ at least one of the plurality of telecommunications terminals and comprising:

a record of data including a list of telecommunications services to which the user has subscribed from among a plurality of available telecommunications services[[:]],

at least one availability mode corresponding to an activity of the user, said availability mode including:

an availability mode identifier,

an availability state defining whether the user is available, unavailable, in call, or unknown, and

availability rules defining when the availability mode is active,

a list of services to which the user has subscribed, and

a record of a capability of the at least one of the plurality of telecommunications terminals, said record of capability including information to enable communications with a plurality of different types of terminals with different hardware and software capabilities;

and

a service mediation server comprising:

Art Unit: 2444

at least one non-transitory computer-readable ~~machine-readable~~ storage medium configured to store at least one user profile, and

a processing unit ~~capable of receiving~~ the at least one user profile and storing the received at least one user profile in the storage medium, and ~~capable of~~ coordinating telecommunications services based on information stored in the storage medium, ~~by tasks~~ said coordinating performed by performing tasks including:

determining user availability by evaluating the at least one user profile,

coordinating the notification and operation of events between users and services by:

receiving notifications from the telecommunications service server,

evaluating the user profile based on user availability, and

communicating to the user ~~such that interactions are communicated~~ by communicating interactions to the at least one of the plurality of telecommunications terminals in a terminal-appropriate format based on ~~according to~~ the capability of the at least one of the plurality of telecommunications terminals included in the at least one user profile, and

coordinating the notification and operation of events to the at least one telecommunications service of the at least one telecommunications service server by communicating to the service according to the registration request.

29. (Currently Amended) The system of claim 28, the processing unit being further capable of communicating a user connectability state associated with a user to the at least one of the plurality of telecommunications terminals by evaluating the at least one user profile stored in the storage medium and a contact list of an active user profile of a terminal user.

30. (Previously Presented) The system of claim 29, wherein the user profile further comprises a list of contacts authorized to know the connectability state associated with the user and a list of contacts not authorized to know the connectability state associated with the user.

31. (Currently Amended) The system of claim 28, the processing unit being further capable of identifying and authenticating users that attempt to access the service mediation server or the at least one telecommunications service server.

Art Unit: 2444

32. (Currently Amended) The system of claim 28, the processing unit further comprising an interface adapted to provide access to the service mediation server via the telecommunications network by:

receiving processing requests from the at least one telecommunications service server or users;

retransmitting the processing requests to a component of the service mediation server responsible for performing a requested processing operation; and

transmitting a response from the component of the service mediation server in response to the processing requests.

33. (Previously Presented) The system of claim 32, wherein the interface comprises a plurality of duplicated components to provide fault tolerance.

34. (Currently Amended) The system of claim 28, the processing unit being further capable of access tasks including:

connecting and disconnecting a telecommunications terminal and the service mediation server;

connecting and disconnecting a telecommunications service and the service mediation server;

managing, in real time, telecommunications services activated for the user;

selecting a user profile and an availability mode in the user profile to be activated;

selecting events for user notification; and

selecting a telecommunications terminal to receive an incoming call.

35. (Previously Presented) The system of claim 28, wherein each of the plurality of telecommunications terminals is selected from the group consisting of: a personal computer, a personal digital assistant (PDA), a cellular telephone, and a wire telephone.

36. (Previously Presented) The system of claim 28, wherein the at least one telecommunications network is selected from the group consisting of: a terrestrial telephone network, a cellular telephone network, and a computer network.

37. (Previously Presented) The system of claim 28, wherein the at least one telecommunications service server comprises:

a processing unit capable of at least:

connecting to the telecommunications mediation system,

specifying and transmitting the telecommunications service

registration request to the telecommunications mediation system, the

registration request comprising at least one event of which the

telecommunications service server must be notified by the

telecommunications mediation system or that the telecommunications

service server is capable of transmitting to the telecommunications mediation system, and

receiving, from the telecommunications mediation system, event notifications from other telecommunications services having been specified as required to be notified by the telecommunications service server registration request.

38. (Currently Amended) The system of claim 28, wherein the ~~machine-readable~~ non-transitory computer-readable storage medium is further configured to store the telecommunications service registration request.

39. (Currently Amended) A method for coordinating telecommunications services provided to a plurality of users via ~~at least one~~ a plurality of telecommunications terminals connected to at least one telecommunications network, the method comprising:

connecting the telecommunications services to a service mediation server, the service mediation server having a processing unit and at least one non-transitory computer-readable ~~machine-readable~~ storage medium;

connecting ~~the~~ at least one of the plurality of telecommunications terminals of a user to the service mediation server;

determining, by the service mediation server, user availability by evaluating at least one user profile, the user profile being user-defined via the at

Art Unit: 2444

least one of the plurality of telecommunications terminals, stored in the storage medium, and comprising: ~~at least one availability mode corresponding to an activity of the user, a list of services to which the user has subscribed, and a record of a capability of the at least one telecommunications terminal;~~

a record of data including a list of telecommunications services to which the user has subscribed from among a plurality of available telecommunications services[[:]],

at least one availability mode corresponding to an activity of the user, said availability mode including:

an availability mode identifier,

an availability state defining whether the user is available, unavailable, in call, or unknown, and

availability rules defining when the availability mode is active,

a list of services to which the user has subscribed, and

a record of a capability of the at least one of the plurality of telecommunications terminals, said record of capability including information to enable communications with a plurality of different types of terminals with different hardware and software capabilities;

coordinating, by the service mediation server, the notification and operation of events between users and services by:

receiving, from a telecommunications server, a registration request,
the registration request including the at least one telecommunications
service the telecommunications service server provides and a list of
events for which the at least one telecommunications service is to be
notified of by the service mediation server,

receiving notifications from ~~[[a]]~~ the telecommunications service
server, ~~the service server capable of providing at least one~~
~~telecommunications service and communicating to the system a~~
~~registration request, the registration request including the at least one~~
~~telecommunications service the telecommunications service server is~~
~~capable of providing and a list of events for which the at least one~~
~~telecommunications service is to be notified, and,~~

evaluating the user profile based on the determined user
availability, and

communicating to the user ~~such that interactions are communicated~~
by communicating interactions to the at least one of the plurality of
telecommunications terminals in a terminal-appropriate format based on
~~according to~~ the capability of the at least one of the plurality of
telecommunications terminals included in the at least one user profile;
coordinating the notification and operation of events to the at least one
telecommunications service of the at least one telecommunications service

server by communicating to the at least one telecommunications service according to the registration request; and

communicating a user connectability state associated with a user to the at least one of the plurality of telecommunications terminals by evaluating the user profile stored in the storage medium and a contact list of an active user profile of a terminal user.

40. (Previously Presented) The method according to claim 39, wherein each availability mode defined by a user includes:

an availability state capable of having the values of available and not available, in call transfer to a specified call number or an unknown number if the user does not want his/her availability state to be accessible,

an optional terminal identifier to which an incoming call intended for the user is transferred,

an event notification mode, and

a list of contacts to which the availability state applies.

41. (Previously Presented) The method according to claim 40, wherein each availability mode defined by a user also includes availability rules specifying periods in which the availability mode is active.

42. (Currently Amended) The method according to claim 39, wherein the connectability state of each user can be in one of the following states:

connectable if the active availability mode of the user is in the available state and if at least one user terminal is connected to the service mediation server,

not connectable if no user terminal is connected to the service mediation server,

access to the connectability state subject to authorization if the user wants his/her connectability state to be provided to other users only with his/her prior authorization,

in transfer if the user specified that incoming calls intended for him/her must be transferred to a call number specified in the active availability mode, and

unknown if the requested user is not registered with the service mediation server or if he/she does not want his/her connectability state to be accessible.

43. (Previously Presented) The method according to claim 39, wherein the transmission of event notifications to services is carried out upon the request of each connected service.

Art Unit: 2444

44. (Previously Presented) The method according to claim 39, wherein the transmission of an event notification to a service is performed upon receipt of the event if the service is connected; otherwise, the event is stored in a log and is notified to the service when the latter connects to the service mediation server.

45. (Currently Amended) The method of claim 39, wherein a plurality of user profiles are defined via the at least one of the plurality of telecommunications terminals.

46. (Previously Presented) The method of claim 45, wherein the plurality of user profiles include a personal profile and a professional profile.

47. (Previously Presented) The method of claim 39, wherein a plurality of availability modes corresponding to activities of the user are defined in the user profile.

48. (Previously Presented) The method of claim 47, wherein the plurality of availability modes include a meeting mode and a travel mode.

Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance:

3. The closest prior art of record, RFC 2778 "A Model for Presence and Instant Messaging" by Day, Rosenberg, and Sugano, teaches a system for providing presence information to a subscriber. However, RFC2778 does not disclose certain elements of the instant claims, such as the details concerning the user-defined profile in as much detail as required by the instant claims. Meanwhile, Liscano in US 7,516,210 teaches a role-based presence system where the presence shows the capacity that the user is acting in (Liscano: Column 4, lines 1-6). However, Liscano does not teach the user-defined profile in as much detail as required by the instant claims, such as "a record of a capability of the at least one of the plurality of telecommunications terminals, said record of capability including information to enable communications with a plurality of different types of terminals with different hardware and software capabilities," which presents information concerning the actual capabilities of the terminal (e.g. where the terminal may be, for example, a computer, mobile device, or a telephone, and the capabilities would reflect what these terminals can do as far as communications to enable communications with these terminals). Further, no other prior art of record fairly teaches or suggests the invention as claimed in as much detail as required by the instant claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SCOTT CHRISTENSEN whose telephone number is (571)270-1144. The examiner can normally be reached on Monday through Thursday 6:30AM - 4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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